

September, 1936.

Empire #1 Herl,
SE SE SE, 22-15S-19W,
Elevation 1949'

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Pennsylvanian conglomerate 3583-3588'
3583-3588 Stained cherts of Arbuckle type, loose coarse
sand, and fragments of consolidated medium sand.

Ordovician Top 3588'* Sub-sea, minus 1639'
Arbuckle " 3588'* Penetration 10'? " " " "
3588-3592 Samples mainly cavings of lime and chert; with some
shale.
3592-3598 Sand, medium to coarse, poorly consolidated. Pre-Cotter.
This sand may be: Residuum of Boyce sand member of
the Pre-Cotter; Basal Pre-Cotter sand in place; or
locally derived Pennsylvanian conglomerate.

*No dolomite present in this well. Ordovician top interpreted from
top of sand. Map as Pre-Cotter. The top of the basal sand should
be about 3700' if the sand topped at 3588' is the Boyce member of the
Pre-Cotter.